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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/052,207	01/17/2002	Seshaiah Ponnekanti	100794-00152(FUJL 2162 19.346)	
26304	7590 11/15/2007 CHIN ROSENMAN LLP		EXAMINER	
575 MADISO	N AVENUE .		LEE, CHI HO A	
NEW YORK, NY 10022-2585			ART UNIT	PAPER NUMBER
		•	2616	
			MAIL DATE	DELIVERY MODE
			11/15/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)			
Office Action Summary		10/052,207	PONNEKANTI, SESHAIAH			
		Examiner	Art Unit			
		Andrew Lee	2616			
Period fo	The MAILING DATE of this communication app r Reply	ears on the cover sheet with the c	orrespondence address			
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE is not soft time may be available under the provisions of 37 CFR 1.15 SIX (6) MONTHS from the mailing date of this communication. It period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 31 Au	ugust 2007.				
,	This action is FINAL . 2b) ☐ This action is non-final.					
,—						
Dispositi	on of Claims					
4)🖂	Claim(s) 1-5 and 7-45 is/are pending in the app	olication.				
	4a) Of the above claim(s) 14-32,37-39,44 and 45 is/are withdrawn from consideration.					
. 5)⊠	5)⊠ Claim(s) <u>1-5,33,34,40 and 41</u> is/are allowed.					
6)⊠	☑ Claim(s) <u>7-13,35,36,42 and 43</u> is/are rejected.					
7)	Claim(s) is/are objected to.					
8)	Claim(s) are subject to restriction and/o	r election requirement.				
Applicati	on Papers		·			
9)	The specification is objected to by the Examine	r.				
10)	The drawing(s) filed on is/are: a) ☐ acce	epted or b)□ objected to by the l	Examiner.			
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority u	ınder 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
	1.☐ Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents have been received in Application No					
	3. Copies of the certified copies of the priority documents have been received in this National Stage					
	application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.						
Attachmen	t(s)		•			
	e of References Cited (PTO-892)	4) Interview Summary				
2) Notic	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da 5) Notice of Informal P				
	mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	6) Other:				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35
 U.S.C. 102 that form the basis for the rejections under this section made in this
 Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 7, 11, 35, 36, 42, 43 are rejected under 35 U.S.C. 102(e) as being anticipated by PG-PUB 2005/0157683.

Re Claim 7, 11, 35, 36, 42, 43, fig. 11 teaches a beam forming antenna array 40 (antenna array; a transmitter array; a plurality of beam formers) wherein 40 receives replicated signals (a same data signal) from the STTC 10 (a plurality of channel encoders) to the transmitted in the respective paths of the beams (a plurality of directional transmission beams) wherein each signals are encoded with different coding by the STTC [0049, 0059, 0088].

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which

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said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- 4. Claims 8, 9, 10, 12, 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over PG-PUB 2005/0157683.
- 5. Re Claim 8, '683 fails to explicitly teach, the claimed, "channel encoders code". However, one skilled in the art would have been motivated to code the data signal with such cross correlation to reduce interference.
- 6. Re Claim 9, 10, 12, 13, refer to Claim 8, wherein the one skilled would have been motivated to use error protective codes for reliability.

Allowable Subject Matter

- 7. The indicated allowability of claims 7-13 is withdrawn in view of the newly discovered reference(s) to PG-PUB 2005/0157683. Rejections based on the newly cited reference(s) above.
- 8. Claims 1-5, 33, 34, 40, and 41 are allowed.

Claim Objections

- 9. Claims 14-32, 37-39, 44, 45 are objected to because of the following informalities: Claims 14-32, 37-39, 44, 45 must be cancelled as non-elected claims. Appropriate correction is required.
- 10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 571-272-3130. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Firman Backer can be reached on 571-272-6703. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ANDREW C. LEE PRIMARY PATENT EXAMINER